

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 8, 2002, 21:47:54 ; Search time 755.06 seconds
(without alignments)
27.251 Million cell updates/sec

Title: US-09-851-670-2

Perfect score: 24

Sequence: 1 cgacaatgtaaaacagctgcgc 24

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapept 1.0

Searched: 930621 seqs, 428662619 residues

Total number of hits satisfying chosen parameters: 1026190

Minimum DB seq length: 0

Maximum DB seq length: 60

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Listing first 45 summaries

N.Geneseq_1101.*

1: /SIDS2/gcgdata/geneseq/geneseqn/NA1980.DAT.*

2: /SIDS2/gcgdata/geneseq/geneseqn/NA1981.DAT.*

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6: /SIDS2/gcgdata/geneseq/geneseqn/NA1985.DAT.*

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9: /SIDS2/gcgdata/geneseq/geneseqn/NA1988.DAT.*

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11: /SIDS2/gcgdata/geneseq/geneseqn/NA1990.DAT.*

12: /SIDS2/gcgdata/geneseq/geneseqn/NA1991.DAT.*

13: /SIDS2/gcgdata/geneseq/geneseqn/NA1992.DAT.*

14: /SIDS2/gcgdata/geneseq/geneseqn/NA1993.DAT.*

15: /SIDS2/gcgdata/geneseq/geneseqn/NA1994.DAT.*

16: /SIDS2/gcgdata/geneseq/geneseqn/NA1995.DAT.*

17: /SIDS2/gcgdata/geneseq/geneseqn/NA1996.DAT.*

18: /SIDS2/gcgdata/geneseq/geneseqn/NA1997.DAT.*

19: /SIDS2/gcgdata/geneseq/geneseqn/NA1998.DAT.*

20: /SIDS2/gcgdata/geneseq/geneseqn/NA1999.DAT.*

21: /SIDS2/gcgdata/geneseq/geneseqn/NA2000.DAT.*

22: /SIDS2/gcgdata/geneseq/geneseqn/NA2001.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.2	63.3	25	22	ACG92017
2	14.6	60.8	42	14	AAQ38136
3	14.6	60.8	58	16	AAQ84428
4	14.2	59.2	19	21	AA60233
5	14.2	59.2	31	20	AAQ6288
6	14.2	59.2	42	21	AA299133
7	14.2	59.2	45	20	AA88588
8	14.2	59.2	53	22	AAH36592
9	14	58.3	30	21	AAA9037
10	14	58.3	30	22	AA67914
11	14	58.3	30	22	AA67925

12	13.8	57.5	22	22	AA506892
13	13.8	57.5	32	21	AA621597
14	13.8	57.5	32	21	AA681312
15	13.8	57.5	32	21	AA254367
16	13.8	57.5	32	21	AA254747
17	13.8	57.5	47	21	AA266262
18	13.6	56.7	31	22	AA130159
19	13.6	56.7	31	22	AA131069
20	13.4	55.8	30	19	AAV35409
21	13.4	55.8	31	9	AAH80770
22	13.4	55.8	31	10	AAH92231
23	13.4	55.8	31	19	AAV67874
24	13.4	55.8	36	16	AAQ82965
25	13.4	55.8	37	16	AAQ98693
26	13.4	55.8	47	21	AA255958
27	13.2	55.0	21	19	AAV57381
28	13.2	55.0	29	19	AAV28948
29	13.2	55.0	31	14	AAQ39026
30	13.2	55.0	44	21	AAH37491
31	13	54.2	27	18	AAH61708
32	13	54.2	28	18	AAH94674
33	13	54.2	28	20	AAZ09746
34	13	54.2	29	22	AAH74794
35	13	54.2	29	22	AAH74805
36	13	54.2	35	21	AA295727
37	13	54.2	41	19	AAV50904
38	13	54.2	45	18	AAH65653
39	13	54.2	45	21	AAH95533
40	13	54.2	47	21	AAH68529
41	12.8	53.3	21	19	AAH26465
42	12.8	53.3	22	22	AAH60111
43	12.8	53.3	29	21	AAH4618
44	12.8	53.3	32	17	AAH9150
45	12.8	53.3	32	19	AAV45063

ALIGNMENTS

RESULT 1	ACG92017/c	standard; DNA; 25 BP.
ID	ACG92017	
AC	ACG92017	
DT	21-MAR-2001	(first entry)
DE	PCR primer oLL103.	
XX		
KW	Heterologous gene expression; transposase; Mos1; mariner-like transposon; PCR primer; ss.	
XX		
OS	Drosophila mauritiana.	
PN	W0200073510-A1.	
PD	07-DEC-2000.	
XX		
PF	01-JUN-2000; 2000WO-US40091.	
XX		
PR	01-JUN-1999; 99US-0136972.	
XX		
PA	(UTAH) UNIV UTAH RES FOUND.	
XX		
PI	Bessereau J, Jorgensen E;	
XX		
DR	WPI: 2001-080477/09.	
XX		
PT	Regulating expression of heterologous gene in Caenorhabditis elegans	
PT	involves inserting transgene construct comprising heterologous gene,	
PT	especially transposase gene into C.elegans	
XX		
PS	Example 3; Page 18; 48pp; English.	

SNP containing pro
Neisseria ORF 121
N. meningitidis OR
Neisseria ORF PCR
Neisseria species
Human map-related
Human single nucle
Human single nucle
HIV-1 gag protein
Probe for detectio
Probe for HIV-1 vi
Nucleotide fragmen
Oligo primer A089/
KEX2C 3' PCR prime
Human map-related
Primer used to det
Plasmid pAMG21 hrc
Mutagenic PCR prim
Arabidopsis thalia
Prostatic specific
Snapdragon flavono
Human HM1.24 anti
Human HM1.24 prote
Human HM1.24 prote
Clostridium botuli
Maize polymorphic
Rat neurodap 1 gen
TCR alpha-beta cDN
STE20-like protein
Human polymorphic
Human ATM gene exo
Polymorphic fragme
Primer for amplify
Frap 3' fragment p

```

Db      22 agaaactggaataaacagctcc 42
      | | | | | | | | | | | | | |
RESULT 3
ID      AA084428/c
XX      AA084428 standard; rRNA; 58 BP.
XX
XX      AA084428;
XX
XX      02-OCT-1995 (first entry)
XX
DE      Mycobacterium fortitulum 23S rRNA variable region probe 50.
XX
XX      Mycobacterium; species-specific; detection; ribosomal RNA; 23S rRNA;
XX      variable region; probe; ss.
XX
OS      Mycobacterium fortitulum.
XX
XX      W09503412-A.
XX
XX      02-FEB-1995.
XX
XX      22-JUL-1994; 94WO-FR00929.
XX
XX      23-JUL-1993; 93FR-0009318.
XX
XX      (INMR ) BIO MERIEUX.
XX
XX      Christen R, Mablil C;
XX
XX      WPI: 1995-075238/10.
XX
XX
XX      Single stranded nucleic acid fragments specific for particular
XX      Mycobacterium species - useful as probes and primers for
XX      detection, identification and amplification, also for therapy,
XX      derived from variable regions of 23S ribosomal RNA
XX
XX      Claim 7; Page 69; 216pp; French.
XX
XX
XX      This sequence is from a variable region of 23S rRNA from
XX      Mycobacterium fortitulum. It is useful as a probe for species-
XX      specific identification of Mycobacteria, pref. in a sandwich assay.
XX      The variable regions were identified by comparison of the 23S rRNA
XX      from many Mycobacteriel species; this sequence is from the region
XX      corresp. to nucleotides 289-290 in E.coli 23S rRNA.
XX
XX      Sequence 58 BP; 10 A; 9 C; 20 G; 19 U; 0 other;
XX
XX
XX      Query Match      60.8%; Score 14.6; DB 16; Length 58;
XX      Best Local Similarity 81.0%; Pred. No. 1.3e+03;
XX      Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
XX
XX      3 acaaatggaaaaaacagctcgc 23
XX      | | | | | | | | | | | | |
XX      26 AGAACTGGAAAAACACAGGTCC 6
XX
XX
XX      RESULT 4
XX      AAA60233
XX      ID      AAA60233 standard; DNA; 19 BP.
XX
XX      AC
XX      AAA60233;
XX
XX      07-DEC-2000 (first entry)
XX
XX      Human HPC2 cDNA sequencing primer SEQ ID NO: 54.
XX
XX      Human; mouse; prostate cancer predisposing gene; HPC2;
XX      human chromosome 11p; gene therapy; peptide therapy; drug design;
XX      PCR primer; sequencing primer; ss.
XX
XX

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OS	Homo sapiens.
XX	
PN	WO200027864-A1.
XX	
PD	18-MAY-2000.
XX	
PF	05-NOV-1999; 99WO-US26055.
XX	
PR	06-NOV-1998; 98US-0107468.
XX	
PA	(MYRI-) MYRIAD GENETICS INC.
PI	Tavtigian SV, Teng DHF, Simard J, Rommens JM;
XX	
DR	WPI: 2000-376481/32.
XX	
PT	Human prostate cancer (HPC)2 nucleic acids, polypeptides, and
XX	antibodies, useful for treatment and diagnosis of prostate cancer
PS	Example 3; Page 56; 157pp; English.
XX	

The present sequence is a primer used in the isolation of the human and murine prostate cancer predisposing genes HPC2 and Mm.HPC2. The human version of the gene is found on Chromosome 17p. Some alleles cause a predisposition to cancer, particularly prostate cancer. This gene and its protein can be used in peptide and gene therapy for cancer patients, as well as being useful as diagnostic tools (both for cancer sufferers and those with a predisposition to the disease) and in the production of cancer drugs.

Sequence 19 BP; 8 A; 5 C; 3 G; 3 T; 0 other;

or genetic mapping of phenotypic traits

Claim 1; Page 19; 61pp; English.

Sequences AAX06101-X06558 represent human DNA fragments which contain biallelic polymorphic markers. The base occupying the polymorphic site is indicated by the appropriate IUPAC-IUB ambiguity code. These fragments can be used in a method for determining polymorphic forms in an individual. The invention further provides computer-readable storage medium for storing data for access by an application programme being executed on a data processing system. Such a method comprises a data structure stored in the computer-readable storage medium, the data structure including information resident in a database used by the application programme and including records, each record comprising information identifying a polymorphism shown in the above sequences. The products and methods can be used for analysing polymorphic sites in individuals for testing for the presence of a disease phenotype or in forensics, paternity testing or genetic mapping of phenotypic traits. They can also be used for the production of polypeptides expressed by variant genes and for the production of transgenic animals. The nucleic acid segments can also be used in the manufacture of medicaments for the treatment or prophylaxis of diseases.

Sequence 31 BP; 11 A; 5 C; 7 G; 7 T; 1 other;

Query Match 59.2%; Score 14.2; DB 20; Length 31;
Best Local Similarity 76.2%; Pred. No. 1.8e+03;
Matches 16; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

1 cgacacaatggaanaacagctc 21

```

Query Match          59.2%;   Score 14.2;  DB 21;  Length 19;
Best Local Similarity 84.2%;   Pred. No. 1.7e+03;
Matches 16;  Conservative 0;  Mismatches 3;  Indels 0;  Gaps 0;

OY      4 caaatcgaaataacagctcg 22
        ||| ||||| ||| | |||
Db       1 caactcgaaaataactctcg 19

RESULT      5
AAAX06288
ID  AAAX06288 standard; DNA; 31 BP.
XX
XX  AAAX06288;
AC
XX
XX  31-MAR-1999 (first entry)
DT
XX
XX  Human biallelic polymorphic DNA fragment SCC30827.
DE
XX
XX  Polymorphism; biallelic; paternity testing; forensic; genetic mapping;
RW  phenotypic typing; medicament; disease; marker; human; ss.
KW
XX
XX  Homo sapiens.
OS
XX
XX  W09858529-A2.
PN
XX
XX  30-DEC-1998.
PD
XX
XX  22-JUN-1998; 98WO-US12930.
PF
XX
XX  24-JUN-1997; 97US-0050594.
PR
XX
XX  (AFY-) AFFYMETRIX INC.
PA
XX
XX  Berno A, Chee M, Fan J, Lipshutz RJ;
PI
XX
XX  WPI; 1999-080963/07.
DR
XX
XX  New nucleic acid segments containing polymorphic sites - used for,
PT  e.g. detecting a disease phenotype, in forensics, paternity testing

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XX	RESULT	6
XX	AA299133	
XX	AA299133 standard; DNA; 42 BP.	
XX	AA299133;	
XX	21-JUN-2000 (first entry)	
XX	B. subtilis HPS/HPI genes primer Bsyck-G1.	
DE	Hexulose-phosphate synthase; HPS; hexulose phosphate isomerase; HPI;	
KW	glucose 6-phosphate; methanol; PCR primer; ss.	
KW		
XX	Bacillus subtilis.	
OS		
XX	JP2000041683-A.	
PN	15-FEB-2000.	
XX		
PD		
XX	04-AUG-1998; 98JP-0220881.	
XX		
XX	04-AUG-1998; 98JP-0220881.	
XX		
XX	(AJIN) AJINOMOTO KK.	
PA		
XX		
DR	WPI; 2000-274044/24.	
XX		
XX		
PT	Preparation of hexulose-phosphate synthase and hexulose-phosphate	
PT	isomerase for preparation of 1-13C D-glucose 6-phosphate from	
PT	C13-labeled methanol -	
XX		
XX	Examples; Page 10; 15pp; Japanese.	
PS		
XX		
CC	The invention relates to a novel DNA fragment containing the	
CC	hexulose-phosphate synthase (HPS) and hexulose phosphate isomerase	
CC	(HPI) coding sequences (AA299132). This sequence represents a PCR primer	
CC	used to isolate these genes. HPS or HPS and HPI are used for the	
CC	preparation of C13-D-glucose 6-phosphate from C13-labeled methanol.	

XX Sequence 42 BP; 14 A; 7 C; 9 G; 12 T; 0 other;
SQ

Query Match 59.2%; Score 14.2; DB 21; Length 42;
Best Local Similarity 84.2%; Pred. No. 1.9e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 5 aaatggaacacagctgc 23
||||||| ||||| ||
Db 12 aaatggaattacagctgc 30

RESULT 7
AAH8588
ID AAX8588 standard; DNA; 45 BP.
XX
AC AAX8588;
XX
DT 10-SEP-1999 (first entry)
XX
DE Human chromosome 18q YAC clone nucleotide sequence.
XX
KW Human chromosome 18q; mood disorder; polymorphic marker; detection;
KW identification; trinucleotide repeat expansion; schizophrenia;
KW anxiety disorder; adjustment disorder; personality disorder;
KW nucleotide triplet repeat; ss.
XX
OS Homo sapiens.
OS Synthetic.
XX
PN WO933263-A2.
XX
PD 01-JUL-1999.
XX
PF 17-DEC-1998; 98WO-EP08543.
XX
PR 18-DEC-1997; 97GB-0026804.
XX
PA (VLAAM) VLAAMS INTERUNIVERSITAIR INST BIOTECHNOG.
PI Del-Favero J, Raeymaekers P, Van Broeckhoven C;
DR WPI: 1999-418934/35.
XX
PT Detecting nucleotide triplet repeats in human chromosome 18q
PS
XX Disclosure; Page 41; 87pp; English.
XX
CC The present invention describes detecting nucleotide triplet repeats in
CC a region of human chromosome 18q disposed between polymorphic markers
CC D18S68 and D18S979 to identify a human gene associated with a mood
CC disorder or related disorder. AAX88542 to AAX88705 represents human
CC chromosome 18q YAC clones and primers corresponding to them, used in the
CC exemplification of the present invention. YAC clones comprising a
CC portion of the region of human chromosome 18q between markers D18S68 and
CC D18S979 are used to identify at least one human gene associated with a
CC mood disorder or related disorder. The mood disorder or related
CC disorder, is chosen from the Diagnostic and Statistical Manual of Mental
CC Disorders, version 4 (DSM-IV) taxonomy. This includes mood disorders
CC (296.XX, 300.4, 311, 301, 13, 295.70), schizophrenia and related
CC disorders (295, 297.1, 298.9, 297.3, 298.9), anxiety disorders (300.XX,
CC 309.81, 308.3), adjustment disorders (309.XX) and personality disorders
CC (codes 301.XX). Probes derived from genes associated with the mood
CC disorder or related disorder can be used to detect pathological
CC mutations or genetic variations in patients. The methods, probes and
CC antibodies can be used to determine the susceptibility of an individual
CC to a mood disorder or related disorder. The nucleic acids and proteins
CC of the human gene can be used to treat mood disorders and related
CC disorders.
XX
SQ Sequence 45 BP; 14 A; 7 C; 11 G; 13 T; 0 other;

Query Match 59.2%; Score 14.2; DB 20; Length 45;
Best Local Similarity 84.2%; Pred. No. 1.9e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 gacaatggaacacagct 20
||||||| ||||| |||||
Db 6 gtcaatgcaaacacagct 24

RESULT 8
AAH36592/C
ID AAX36592 standard; CDNA; 53 BP.
XX
AC AAH36592;
XX
DT 03-SEP-2001 (first entry)
XX
DE Human colon cancer antigen encoding CDNA SEQ ID NO:3674.
XX
KW Human; colon cancer; colon cancer antigen; diagnosis; detection;
KW colorectal carcinoma; ss.
XX
OS Homo sapiens.
XX
PN WO200122920-A2.
XX
PD 05-APR-2001.
XX
PF 28-SEP-2000; 2000WO-US26524.
XX
PR 29-SEP-1999; 99US-0157137.
PR 03-NOV-1999; 99US-0163280.
XX
PA (HUMA-) HUMANA GENOME SCI INC.
PI Ruben SM, Barash SC, Birse CE, Rosen CA;
DR WPI: 2001-235357/24.
DR P-PSDB: AAG77185.
XX
PT Nucleic acids encoding 4277 human colon cancer-associated polypeptides,
PT useful for preventing, diagnosing and/or treating colorectal cancers -
XX
PS Claim 1; Page 5520-5521; 9803pp; English.
XX
CC AAH32943 to AAH37195 and AAG73514 to AAG77788 represent human colon
CC cancer-associated nucleic acid molecules (N) and proteins (P), where
CC the proteins are collectively known as colon cancer antigens. The colon
CC cancer antigens have cytostatic activity and can be used in gene
CC therapy and vaccine production. N and P may be used in the prevention,
CC diagnosis and treatment of diseases associated with inappropriate P
CC expression. For example, N and P may be used to treat disorders
CC associated with decreased expression by rectifying mutations or deletions
CC in a patient's genome that affect the activity of P by expressing
CC inactive proteins or to supplement the patient's own production of P.
CC Additionally, N may be used to produce the colon cancer-associated P,
CC by inserting the nucleic acids into a host cell and culturing the cell
CC to express the proteins. N and P can be used in the prevention, diagnosis
CC and treatment of colorectal carcinomas and cancers. AAH37196 to AAH37204
CC and AAG77789 represent sequences used in the exemplification of the
CC present invention.
CC N.B. Pages 666 to 682 and page 7053 of the sequence listing were
CC missing at time of publication, meaning no sequences are present for
CC SEQ ID NO:1027 to 1052, 7921 and 7922.
XX
SQ Sequence 53 BP; 5 A; 11 C; 9 G; 23 T; 5 other;

Query Match 59.2%; Score 14.2; DB 22; Length 53;
Best Local Similarity 84.2%; Pred. No. 1.9e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Query Match	57.5%	Score 13.8;	DB 21;	Length 32;
Best Local Similarity	88.2%;	Pred. No. 2.7e+03;		
Matches 15; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

RESULT	14
AAA81312	
ID	AAA81312 standard; DNA; 32 BP.

XX	N. meningitidis ORF121 PCR primer SEQ ID NO:1058.
DE	

KW *Neisseria meningitidis*; *Neisseria gonorrhoeae*; genome; immunogenic;
KW antigen; vaccine; diagnosis; infection; antibacterial; identification;
KW *Meningococcus B*; MenB; PCR primer; ss.

XX
OS *Neisseria meningitidis.*

XX	WO2000022430-A2.
PN	

XX 20-APR-2000.
PD

XX	08-OCT-1999:	99WO-US23573.
PF		

XX 09-OCT-1998: 98MS-0103794
PR

30-APR-1999; 99US-0132068.
PR
XX

PA (CHIR) CHIRON CORP.

XX
PI Frazer CM, Hickey E, Peterson J, Tettelin H, Venter JC;

PI Masignani V, Galeotti C, Mora M, Ratti G, Scarselli M, Scarlato V;
PI Rappuoli R, Pizzi M;

XX WPI; 2000-318079/27.
DR

XX Isolated nucleotide sequences of *Neisseria meningitidis* which can be used in the diagnosis and treatment of *N. meningitidis* infection and other *Neisseria* infections, for example, *N.gonorrhoea* -

XX Example 1; Page 115; 1760pp; English.
PS

XX	Sequence
32 BP; 10 A; 9 C; 6 G; 7 T; 0 other;	50

Query Match	57.5%;	Score 13.8;	DB 21,	Length 32;
Best Local Similarity	88.28;	Pred. No. 2.7e+03;		
Matches 15; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

QY	4	caaatgaaaaaacagct	20
Db	10	catatggaacacagct	26

RESULT	ID
15	AAZ54567
	standard; DNA; 32 BP.

XX
AC AA254567;

XX	21-MAR-2000	(first entry)
DT		

Neisseria ORF PCR primer SEO ID No:3029.

XX *Neisseria meningitidis*: *Neisseria gonorrhoeae*: antiaen: vaccine:

KW antigenic; diagnosis; immunogenic; infection
KW antibacterial; gene therapy; PCR primer; ss

Accession	Gene	Primer	Size
U00096	uncB	uncB-1	1000
U00096	uncB	uncB-2	1000
U00096	uncB	uncB-3	1000
U00096	uncB	uncB-4	1000
U00096	uncB	uncB-5	1000
U00096	uncB	uncB-6	1000
U00096	uncB	uncB-7	1000
U00096	uncB	uncB-8	1000
U00096	uncB	uncB-9	1000
U00096	uncB	uncB-10	1000
U00096	uncB	uncB-11	1000
U00096	uncB	uncB-12	1000
U00096	uncB	uncB-13	1000
U00096	uncB	uncB-14	1000
U00096	uncB	uncB-15	1000
U00096	uncB	uncB-16	1000
U00096	uncB	uncB-17	1000
U00096	uncB	uncB-18	1000
U00096	uncB	uncB-19	1000
U00096	uncB	uncB-20	1000
U00096	uncB	uncB-21	1000
U00096	uncB	uncB-22	1000
U00096	uncB	uncB-23	1000
U00096	uncB	uncB-24	1000
U00096	uncB	uncB-25	1000
U00096	uncB	uncB-26	1000
U00096	uncB	uncB-27	1000
U00096	uncB	uncB-28	1000
U00096	uncB	uncB-29	1000
U00096	uncB	uncB-30	1000
U00096	uncB	uncB-31	1000
U00096	uncB	uncB-32	1000
U00096	uncB	uncB-33	1000
U00096	uncB	uncB-34	1000
U00096	uncB	uncB-35	1000
U00096	uncB	uncB-36	1000
U00096	uncB	uncB-37	1000
U00096	uncB	uncB-38	1000
U00096	uncB	uncB-39	1000
U00096	uncB	uncB-40	1000
U00096	uncB	uncB-41	1000
U00096	uncB	uncB-42	1000
U00096	uncB	uncB-43	1000
U00096	uncB	uncB-44	1000
U00096	uncB	uncB-45	1000
U00096	uncB	uncB-46	1000
U00096	uncB	uncB-47	1000
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U00096	uncB	uncB-52	1000
U00096	uncB	uncB-53	1000
U00096	uncB	uncB-54	1000
U00096	uncB	uncB-55	1000
U00096	uncB	uncB-56	1000
U00096	uncB	uncB-57	1000
U00096	uncB	uncB-58	1000
U00096	uncB	uncB-59	1000
U00096	uncB	uncB-60	1000
U00096	uncB	uncB-61	1000
U00096	uncB	uncB-62	1000
U00096	uncB	uncB-63	1000
U00096	uncB	uncB-64	1000
U00096	uncB	uncB-65	1000
U00096	uncB	uncB-66	1000
U00096	uncB	uncB-67	1000
U00096	uncB	uncB-68	1000
U00096	uncB	uncB-69	1000
U00096	uncB	uncB-70	1000
U00096	uncB	uncB-71	1000
U00096	uncB	uncB-72	1000
U00096	uncB	uncB-73	1000
U00096	uncB	uncB-74	1000
U00096	uncB	uncB-75	1000
U00096	uncB	uncB-76	1000
U00096	uncB	uncB-77	1000
U00096	uncB	uncB-78	1000
U00096	uncB	uncB-79	1000
U00096	uncB	uncB-80	1000
U00096	uncB	uncB-81	1000
U00096	uncB	uncB-82	1000
U00096	uncB	uncB-83	1000
U00096	uncB	uncB-84	1000
U00096	uncB</		

05 *Neisseria* sp.

AA W09957280-A2.
PN
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XX PD 11-NOV-1999.

XX 30-APR-1999; 99WO-US09346.
PF

XX	01-MAY-1998;	98US-0083758.
PR		

PR 31-JUL-1998; 98US-0094869.
PR 02-SEP-1998; 98US-0098994.

PR	02-SEP-1998;	98US-0099062.
PR	09-OCT-1998;	98US-0103749.

PR	09-OCT-1998;	98US-0103794.
PR	09-OCT-1998;	98US-0103796.

PR 25-FEB-1999; 99US-0121528.
XX

PA (CHIR) CHIRON CORP.
PA (GENO-) INST GENOMIC RES.

PI Fraser C, Galeotti C, Grandi G, Hickey E, Masignani V, Mora M;
PI Petersen J, Pizzo M, Rappuoli R, Ratti G, Scalato E, Scarselli M;
PI Tettelin H, Venter JC;
XX
XX WPI: 2000-062150/05.
XX
XX
XX Novel Neisserial polypeptides predicted to be useful antigens for
XX vaccines and diagnostics -
XX
XX
XX Example 1: Page 70; 1453pp; English.
XX
XX AAZ53015 to AAZ54536, AAZ54577 to AAZ54615, and AA74253 to AA75941
XX represent novel *Neisseria meningitidis* and *N. gonorrhoeae* polynucleotides
XX and polypeptides. AAZ54537 to AAZ54576 and AAZ54616 to AAZ5473 represent
XX PCR primers used in the exemplification of the present invention. The
XX polypeptides, the polynucleotides, antibodies and compositions of
XX the invention can be used as vaccines, as diagnostic reagents, and as
XX immunogenic compositions. The polypeptides can be used in the
XX manufacture of medicaments for treating or preventing infection due to
XX Neisserial bacteria (e.g. meningitis and septicaemia), to detect the
XX presence of *Neisseria* bacteria, or to raise antibodies. They may also
XX be used to screen for agonists or antagonists, which may themselves
XX have use as antibacterial agents. The polynucleotides of the invention
XX may also be used in gene therapy protocols.
XX
XX
XX Sequence 32 BP; 10 A; 9 C; 6 G; 7 T; 0 other;